

J. Woyke : Re: Survival of CLW brood (M. Allsopp) : 19 June

From: woyke@alpha.sggw.waw.pl

Subject: Re: Survival of CLW brood (M. Allsopp)

Date: Mon, 19 Jun 1995 14:29:53 EDT

### **Comments on survival of *A. capensis* brood**

Mike Allsopp in his respond of 19 June 1995 to my report of 19. June 1995, concerning low survival rate of CLW brood, still doubts that survival of such brood is low. He writes:

‘if one takes LW larvae 10 days after de-queening and grafts them into queen cups, their acceptance is just as good as queenlaid larvae (I can present some of this data if anyone wants it).’

At first, terminology clarification: Brood means all developmental stages, from eggs to the latest development stage of a pupa.

The argument presented above by Mike does not disprove the low survival rate of CLW brood and does not prove its high survival rate.

I presented in two my reports; of 18 and 19 June 95, that the greatest loss of CLW brood (about 50%) occurs between the egg and 1 day old larval stage. Thus, when Mike grafts larvae from CLW, he grafts just those which already survived.

The difference in later survival between queen and CLW larvae which already survived till 1 day is very low. Therefore, difference in acceptance of grafted larvae originating from Cape queen and CLW is not detectable.

Regards

J. Woyke